## Exhibit C

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## Prehydrolysis of beechwood

Highly purified dissolving pelp produced by sulpher-line pulping

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Summary. The kinetics of the inchesinal perhydrolysis of brechwood at 160 °C and 170 °C were investigated. It was shown that the bytholysis of the hepsieblakes portion was mained in two phases. The depth and rate of the limit rapid producted an phase and the second size phase depend on the compensative used. The liganic content in the perhydrolysisd chips increased with the decision of the perhydrolysis due to the casely responsible becausefficies person. The maximum amount of liganic extracted was gained after 45–40 minutes of socializated prohydrolysis at 160 °C with the yield decrease to 82–80 per cent and at 170 °C with the yield decrease to 82–80 per cent and at 170 °C with the yield decrease to 82–80 per cent and at 170 °C with the yield decrease to 80–80 per cent at the account of 160 °C the account of the the period account of the above period of the whole beniceflating properties and of the whole team of the whole team of the whole beniceflating period present in wood was attained at 16°C after 5 beautiported in the act 170°C after 50 minutes.

By the prohydrolyte of hardwood to 50 per cont one of the wood substance highly particle dissolving going was propored by AQ estalpsed society pulping. The pulp attained on the materials of high apple artificial societies propored by a Question over 57 per contact and a low arbibility in

solutions of Albati. The sulphin-live delignofunction together with the low consumption of active chieving  $(3.5 - 1.7 \, \mathrm{per} \, \mathrm{cont})$  cause into environmental pollutions.

## Introduction

The production of special grade cellulous fibres by the viscous process, as, for example, polymosic fibres, high-wer-modulus (HWM) fibres, supercond fibres, useds the production of high grade, highly purified pulps. The pulps destinated for the production of such grades of viscose fibres should have characteristics approaching the characteristics of cotton or cotton linters. Amongst the characteristics mainly a high sipha-cellulose content, a low solubility in solutions of diluted alkali and an appropriate viscosity value, characterizing the purity of these pulp grades, are involved. High purity can be arrained by deep enmobiling in concentrated cold NoOH solutions. This high degree of purity may be achieved also during pulp processing. For particulars of the pulp may be attained, for example, by a double memorisation in 17.5 per cent NaOH solution with an intermediate preripening of the alkalierifulose gained, as it is made in the SINI process (Silnola 1976). Obviously, in this process the purification of the pulp is combined with the formstion of alkalicellulous as an interractions of the production of cellulous xanthogenate